

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P157586

Luminaire Tested: **VST-F06-LED-E-U-5WQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157586
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33709)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F06-LED-E-U-5WQ-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16047.8 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



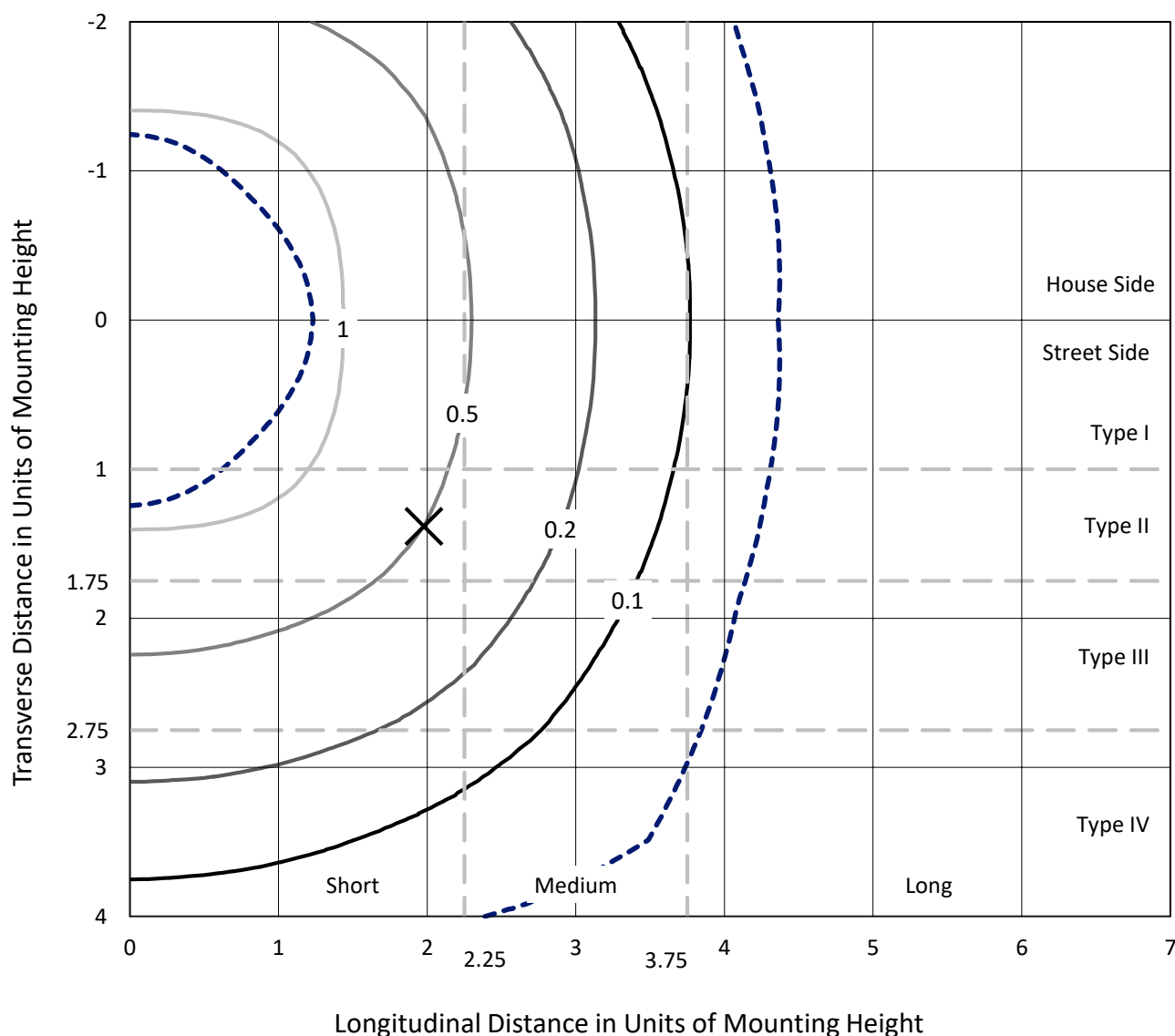
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

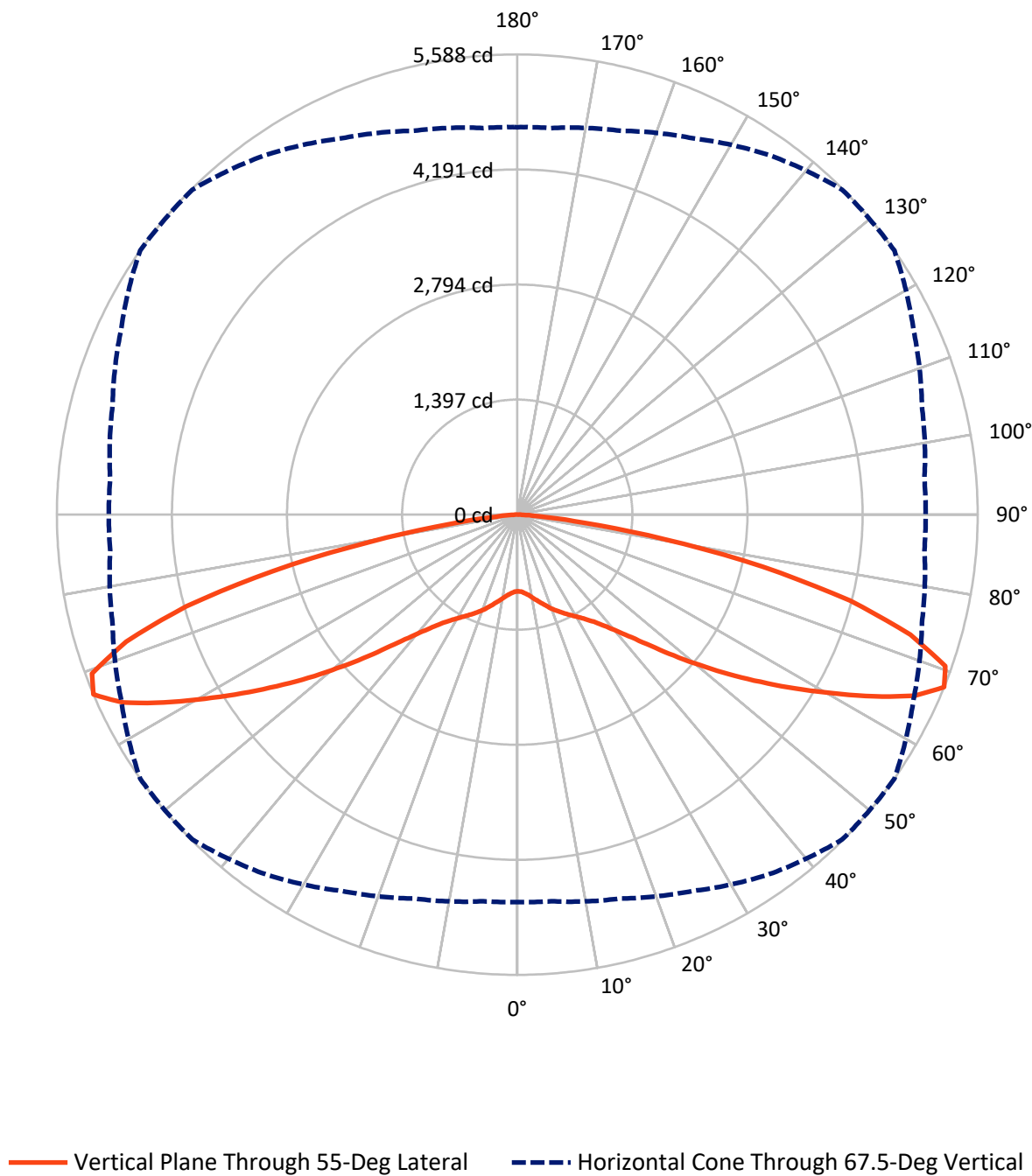


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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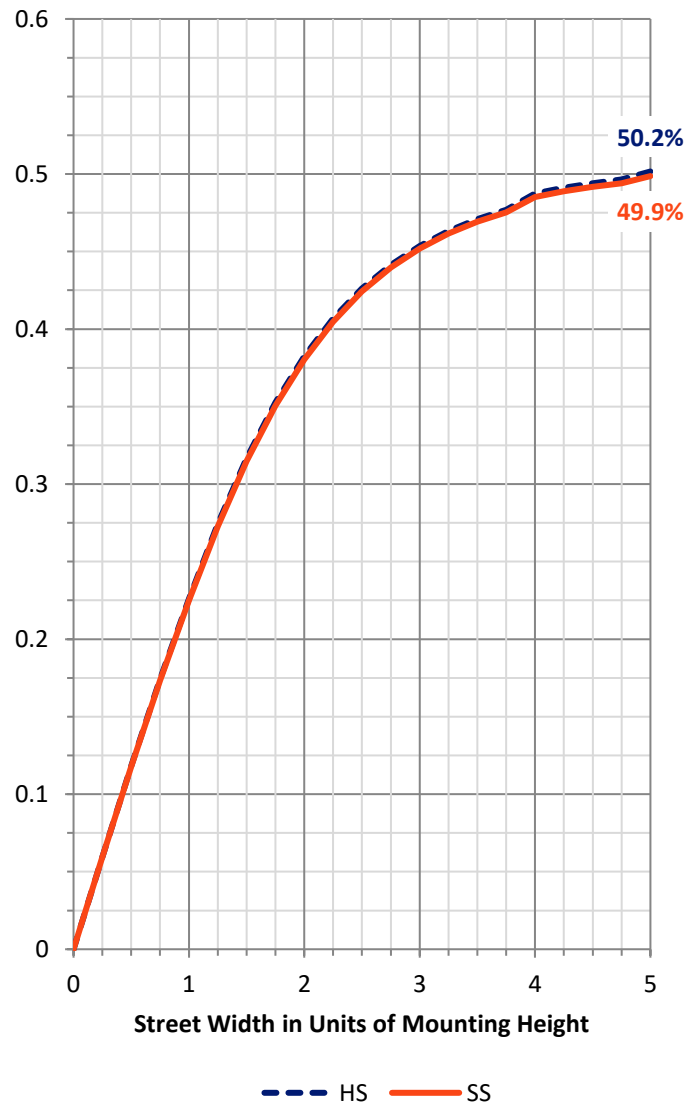
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8023.9	0.0	8023.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8023.9	0.0	8023.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	16047.8	0.0	16047.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	0.6
10°-20°	319.3	2.0
20°-30°	614.0	3.8
30°-40°	1005.8	6.3
40°-50°	1748.4	10.9
50°-60°	3120.8	19.4
60°-70°	4818.4	30.0
70°-80°	3900.5	24.3
80°-90°	427.3	2.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	16047.8	100.0
0°-180°	16047.8	100.0

Coefficient of Utilization



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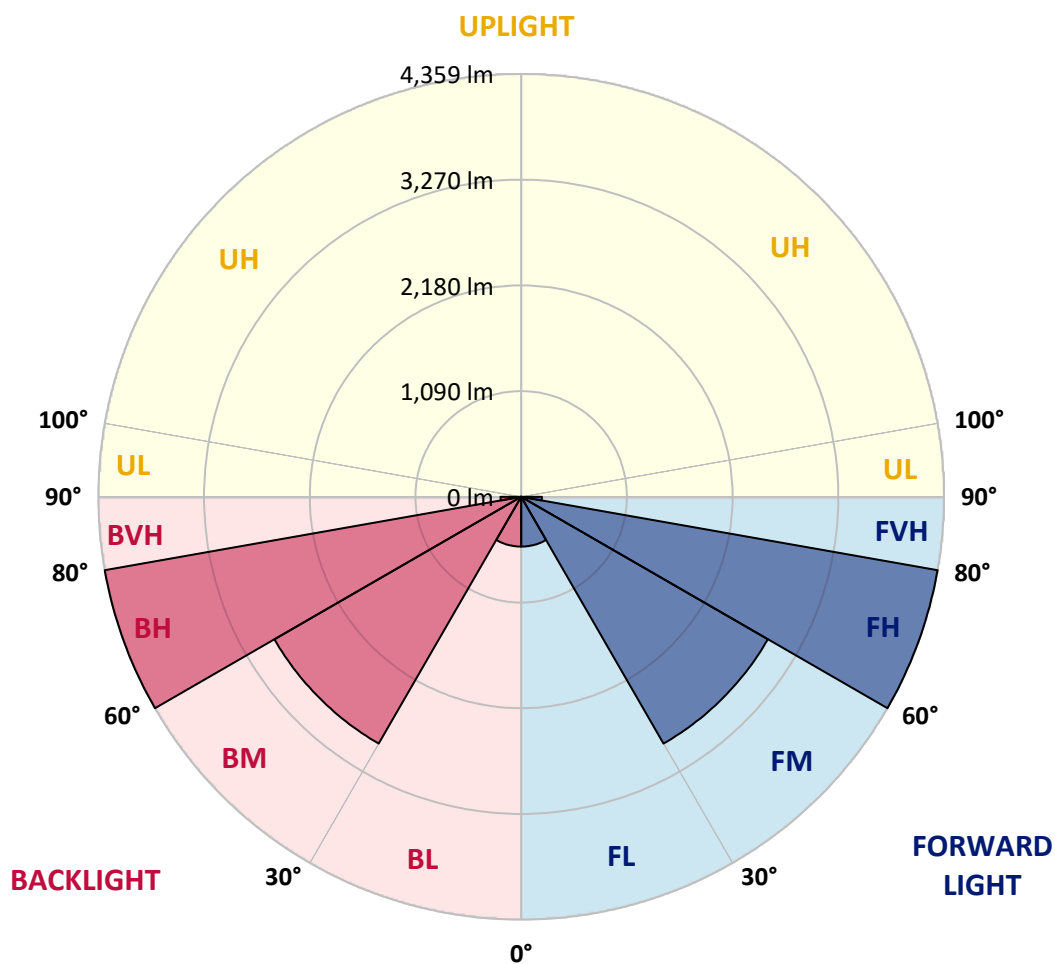
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	513.4	3.2			
FM	(30°-60°)	2937.5	18.3			
FH	(60°-80°)	4359.4	27.2			G2/5000
FVH	(80°-90°)	213.6	1.3			G2/225
BL	(0°-30°)	513.4	3.2	B2/1000		
BM	(30°-60°)	2937.5	18.3	B3/5000		
BH	(60°-80°)	4359.4	27.2	B4/5000		G2/5000
BVH	(80°-90°)	213.6	1.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	931.1	931.1	931.1	931.1	931.1	931.1	931.1	931.1	931.1	931.1	931.1
2.5°	937.2	938.2	937.2	937.2	936.2	936.2	936.2	937.2	937.2	939.2	938.2
5°	956.5	957.5	955.5	957.5	957.5	958.6	957.5	956.5	957.5	958.6	955.5
7.5°	984.0	986.0	985.0	986.0	987.0	986.0	986.0	985.0	987.0	986.0	984.0
10°	1019.5	1021.6	1020.6	1022.6	1023.6	1024.6	1024.6	1022.6	1021.6	1021.6	1020.6
12.5°	1062.2	1062.2	1062.2	1065.3	1067.3	1069.3	1068.3	1066.3	1063.2	1064.3	1060.2
15°	1109.0	1111.0	1111.0	1112.0	1117.1	1118.1	1117.1	1114.1	1113.1	1111.0	1109.0
17.5°	1160.8	1161.8	1162.9	1163.9	1170.0	1173.0	1169.0	1163.9	1163.9	1162.9	1162.9
20°	1214.7	1213.7	1215.7	1217.8	1221.8	1224.9	1223.9	1218.8	1214.7	1217.8	1216.7
22.5°	1264.5	1265.5	1266.5	1269.6	1276.7	1277.7	1274.7	1270.6	1265.5	1266.5	1266.5
25°	1311.3	1312.3	1314.3	1318.4	1326.5	1331.6	1327.5	1321.4	1314.3	1314.3	1315.3
27.5°	1359.0	1360.1	1361.1	1368.2	1378.4	1384.5	1381.4	1371.2	1363.1	1361.1	1358.0
30°	1411.9	1411.9	1413.9	1423.1	1436.3	1443.4	1439.4	1427.2	1415.0	1412.9	1412.9
32.5°	1479.0	1474.9	1478.0	1490.2	1504.4	1512.5	1509.5	1495.3	1480.0	1477.0	1477.0
35°	1559.3	1557.3	1559.3	1573.5	1590.8	1603.0	1595.9	1582.7	1566.4	1563.4	1561.3
37.5°	1654.8	1655.9	1662.0	1678.2	1701.6	1716.9	1709.7	1688.4	1669.1	1669.1	1669.1
40°	1775.8	1777.8	1790.0	1814.4	1848.0	1861.2	1853.1	1826.6	1804.3	1796.1	1798.2
42.5°	1940.5	1939.5	1958.8	1989.3	2028.9	2048.2	2035.0	2006.6	1974.0	1960.8	1961.8
45°	2134.6	2148.9	2169.2	2207.8	2257.6	2291.2	2267.8	2236.3	2187.5	2168.2	2167.2
47.5°	2369.4	2384.7	2410.1	2474.1	2534.1	2574.8	2556.5	2504.6	2434.5	2407.1	2396.9
50°	2636.8	2656.1	2688.6	2771.0	2856.3	2902.1	2869.6	2801.4	2726.2	2684.6	2674.4
52.5°	2937.7	2943.8	2992.5	3092.2	3197.9	3253.8	3217.2	3135.9	3039.3	3000.7	2972.2
55°	3271.1	3276.1	3332.1	3444.9	3564.8	3630.9	3584.1	3481.5	3392.0	3324.9	3331.0
57.5°	3580.1	3595.3	3677.7	3809.8	3951.1	4031.4	3980.6	3871.8	3778.3	3702.1	3711.2
60°	3910.4	3926.7	4013.1	4170.7	4361.8	4468.5	4402.4	4285.5	4189.0	4116.8	4107.6
62.5°	4261.1	4270.3	4364.8	4506.1	4750.1	4921.8	4858.8	4729.7	4616.9	4545.7	4538.6
65°	4585.4	4597.6	4677.9	4832.4	5083.5	5334.5	5299.0	5120.1	4967.6	4864.9	4850.7
67.5°	4703.3	4711.4	4824.3	5040.8	5329.5	5577.5	5587.6	5306.1	5084.5	4959.5	4956.4
70°	4565.1	4571.2	4715.5	4972.7	5340.6	5547.0	5510.4	5227.8	4955.4	4801.9	4786.7
72.5°	4255.0	4256.0	4388.2	4606.7	4975.7	5144.5	4988.9	4833.4	4551.8	4437.0	4406.5
75°	3690.9	3691.9	3783.4	3928.7	4192.0	4347.5	4170.7	4028.4	3862.7	3794.6	3759.0
77.5°	2538.2	2553.4	2648.0	2815.7	3104.4	3276.1	3044.4	2786.2	2685.6	2627.6	2593.1
80°	1221.8	1245.2	1354.0	1519.7	1821.6	2096.0	1810.4	1492.2	1296.0	1136.4	1164.9
82.5°	326.3	330.4	423.9	608.9	848.8	996.2	809.1	566.2	356.8	239.9	219.6
85°	86.4	91.5	128.1	175.9	267.3	340.5	260.2	165.7	126.0	93.5	85.4
87.5°	23.4	27.4	44.7	53.9	67.1	53.9	67.1	57.9	55.9	29.5	21.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)